REPORT NO. 78-3-23

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: OUACHITA NATIONAL FOREST

STATES: [redacted] AND OKLAHOMA

AREA WITHIN SURVEY BOUNDARY: 2,216,000 ACRES

PERCENT COVERAGE: 25%

DATE: JULY 25-26, 1978

AIRCRAFT: CESSNA 182

CREW: P.A. MISTRETTA, B.I. HAMMOND, W.A. CAROTHERS

REPORT PREPARED BY: P.A. MISTRETTA

SURVEY OBJECTIVES: TO DETECT DAMAGE DUE TO THE ACTIVITY OF INSECTS, DISEASES OR OTHER CAUSES ON THE OUACHITA NATIONAL FOREST.

SURVEY RESULTS

RANGER DISTRICT	SINGLES	SPOT SIZE CLASS 2-5 SPOTS:TREES	6-25 SPOTS:TREES	26+ SPOTS:TREES	TOTAL SPOTS:TREES
CADDO	24	15:55	3:38	1:50	43:167
CHOCTAW	1	4:11			5:12
COLD SPRINGS	5	1:2	1:6		7:13
FOURCHE	3	3:8	1:7		7:18
JESSIEVILLE	6	1:2			7:8
KIAMICHIE	1		3:37	1:30	5:68
MENA	7	2:4	3:45		12:56
ODEN	18	4:8			22:26
POTEAU	14	3:7			17:21
WINONA	7	2:7			9:14
WOMBLE	16	8:21			24:37
TOTALS	102	43:125	12:133	2:80	158:440

DEFOLIATION IS ALREADY OBVIOUS, PRIMARILY ALONG RIDGE TOPS, INDICATING A POTENTIAL FOR SEVERE HARDWOOD DEFOLIATION BEFORE THE END OF THE SUMMER.

FIRES WHICH CAUSED VISIBLE RED TOPPING IN PINE ARE RECORDED ON THE ATTACHED MAP.

CONCLUSIONS

A LARGE NUMBER OF SMALL SPOTS OF TREE DAMAGE WERE LOCATED (144 OF THE 158 SPOTS (DEFOLIATION AND FIRE SPOTS EXCLUDED) CONTAINED 1-5 TREES). THE CURRENT LEVEL OF AERIALLY OBSERVABLE FOREST INSECT AND DISEASE ACTIVITY APPEARS EXTREMELY LOW. POTENTIAL DOES EXIST FOR A SEVERE WALKINGSTICK INFESTATION.

EVALUATION WILL BE MADE OF THE DEFOLIATION LATER THIS SUMMER.

FOR ANY ADDITIONAL INFORMATION, CONTACT:

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